

Annual Charter Report

General:

Title	Description
CAMP Program Manager	Manage the CAMP program

Authority:

Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):

Latitude	Longitude
37.117891	120.06796

Watershed(s):

Watershed Name
Central Valley-Wide

Schedule:

Funding Begins	Benefits Begin	Funding Complete
10/1/2014	10/1/2014	9/30/2016

Benefit(s):

Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):

Date	Title
8/31/2015	2015 CAMP annual report
8/31/2016	2016 CAMP annual report

Program Priority:

Rank	Comment
1	

Estimated Cost(s):

Fiscal Year	Fund	Total
2015	CVPRF	\$225,268
2016	CVPRF	\$232,026

Final Total
\$457,294

Partners:

Partner Name
CDWR

No Related Programs Listed

Narrative:

Narrative Description

Program management activities in FY 2015 and 2016 will include: (1) developing an annual report assessing and reporting overall (cumulative) effectiveness of restoration actions implemented pursuant to CVPIA Section 3406(b); (2) participating in planning exercises relating to the CVPIA; (3) managing contracts and/or cooperative agreements; (4) acquiring, refining, and synthesizing data that address CAMP Program Objectives #1 and #2; and (5) identifying new CVPIA data collection activities necessary to ensure program success. CAMP Program Objective # 1 & 2.

Risk Management:

Risk Description	Likelihood	Risk Impact
lack of CVPIA funding in time to meet contracting deadlines	1	1

Data Management:

Description

All of the data used to produce the CAMP annual report are stored in a Chinookprod database that can be shared with CVPIA managers, othe CVPIA staff, and stakeholders.

Year	Activity	Activity Description				
2015	Administration					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
USFWS program management	FWS	Staff Position	1		CVPRF	USFWS program manager salary

Year	Activity	Activity Description				
2016	Administration					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
USFWS program management	FWS	Staff Position	1		CVPRF	2016 USFWS program manager salary. The 2016 cost is the 2015 cost + 3%.

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General:	
Title	Description
CAMP database support	Provide database support to the CAMP program manager

Authority:		
Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):	
Latitude	Longitude
38.581160	121.495908

Watershed(s):
Watershed Name
Central Valley-Wide

Schedule:		
Funding Begins	Benefits Begin	Funding Complete
10/1/2014	10/1/2014	9/30/2016

Benefit(s):			
Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):	
Date	Title
9/30/2015	provide miscellaneous reports and database updates
9/30/2016	provide miscellaneous reports and database updates

Program Priority:	
Rank	Comment
1	Priority is high because support to CAMP program manager is needed to produce products in a timely fashion.

Estimated Cost(s):		
Fiscal Year	Fund	Total
2015	CVPRF	\$106,080
2016	CVPRF	\$109,262

Final Total
\$215,342

Partners:
Partner Name
Pacific States Marine Fisheries Commission

No Related Programs Listed

Narrative:

Narrative Description

The CAMP program manager requires staff assistance to collect and check the quality of new rotary screw trap data collected by various partners. A database specialist that works for the Pacific States Marine Fisheries Commission will be hired to provide that assistance. The person will also help to resolve outstanding data issues in historical rotary screw trap data.

Risk Management:

Risk Description	Likelihood	Risk Impact
low, unless funding distribution is delayed	1	1

Data Management:

Description

The data compiled by the database specialist will be stored in the CAMP rotary screw trap platform.

Year	Activity	Activity Description				
2015	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
compile data	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	cost based on prior year data

Year	Activity	Activity Description				
2016	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
compile data	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	cost based on prior year data

Annual Charter Report

General:	
Title	Description
American River rotary screw trap monitoring	Quantify production of juvenile Chinook salmon from the American River using a rotary screw trap.

Authority:		
Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):	
Latitude	Longitude
38.566667	121.385429

Watershed(s):
Watershed Name
American River

Schedule:		
Funding Begins	Benefits Begin	Funding Complete
10/1/2014	1/1/2016	9/30/2016

Benefit(s):			
Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):	
Date	Title
9/30/2016	2016 American River RST annual report
9/30/2017	2017 American River RST annual report

Program Priority:	
Rank	Comment
1	High priority element because the project is a required OCAP biological opinion monitoring activity and it occurs in a CVP watershed.

Estimated Cost(s):		
Fiscal Year	Fund	Total
2015	CVPRF	\$340,985
2016	CVPRF	\$185,000

Final Total
\$525,985

Partners:	
Partner Name	
CDFW	
Pacific States Marine Fisheries Commission	

Related Programs:	
Program Name	
CVPIA b2	
CVPIA b1	

Narrative:
Narrative Description
 Monitoring of juvenile salmon production on the American River provides fundamental data that are necessary to assess the biological response to habitat restoration activities in a CVP watershed. The project is also a CAMP-recommended monitoring activity in the CAMP Implementation Plan (element #76), and it is a required element in the OCAP biological opinion.

Risk Management:

Risk Description	Likelihood	Risk Impact
low, unless funding distribution is delayed	1	1

Data Management:
Description
 The American River rotary screw trap data will be stored in a digital database maintained by the CAMP. Data summaries from that database can be provided to CVPIA managers, stakeholders and the public on an as needed basis.

Year	Activity			Activity Description		
2015	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
juvenile fish monitoring	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	The Charter provides: (1) \$177,020 to conduct monitoring in 2016, and (2) \$163,965 to conduct monitoring in 2017. The funding to conduct work in 2017 only provides part of the funding needed to conduct work in that year.

Year	Activity			Activity Description		
2016	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
juvenile fish monitoring	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	Funding to conduct work in 2018

Annual Charter Report

General:	
Title	Description
American River rotary screw trap monitoring	Quantify production of juvenile Chinook salmon from the American River using a rotary screw trap.

Authority:		
Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):	
Latitude	Longitude
38.566667	121.385429

Watershed(s):
Watershed Name
American River

Schedule:		
Funding Begins	Benefits Begin	Funding Complete
10/1/2014	1/1/2016	9/30/2016

Benefit(s):			
Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):	
Date	Title
9/30/2016	2016 American River RST annual report
9/30/2017	2017 American River RST annual report

Program Priority:	
Rank	Comment
1	High priority element because the project is a required OCAP biological opinion monitoring activity and it occurs in a CVP watershed.

Estimated Cost(s):		
Fiscal Year	Fund	Total
2015	CVPRF	\$340,985
2016	CVPRF	\$185,000

Final Total
\$525,985

Partners:	
Partner Name	
CDFW	
Pacific States Marine Fisheries Commission	

Related Programs:	
Program Name	
CVPIA b2	
CVPIA b1	

Narrative:

Narrative Description

Monitoring of juvenile salmon production on the American River provides fundamental data that are necessary to assess the biological response to habitat restoration activities in a CVP watershed. The project is also a CAMP-recommended monitoring activity in the CAMP Implementation Plan (element #76), and it is a required element in the OCAP biological opinion.

Risk Management:

Risk Description	Likelihood	Risk Impact
low, unless funding distribution is delayed	1	1

Data Management:

Description

The American River rotary screw trap data will be stored in a digital database maintained by the CAMP. Data summaries from that database can be provided to CVPIA managers, stakeholders and the public on an as needed basis.

Year	Activity			Activity Description		
2015	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
juvenile fish monitoring	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	The Charter provides: (1) \$177,020 to conduct monitoring in 2016, and (2) \$163,965 to conduct monitoring in 2017. The funding to conduct work in 2017 only provides part of the funding needed to conduct work in that year.

Year	Activity			Activity Description		
2016	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
juvenile fish monitoring	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	Funding to conduct work in 2018

Annual Charter Report

General:	
Title	Description
Stanislaus River rotary screw trap monitoring	Quantify production of juvenile Chinook salmon from the Stanislaus River (Caswell State Park) using a rotary screw trap.

Authority:		
Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):	
Latitude	Longitude
37.702056	121.179197

Watershed(s):
Watershed Name
Stanislaus River

Schedule:		
Funding Begins	Benefits Begin	Funding Complete
10/1/2014	1/4/2016	9/30/2016

Benefit(s):			
Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):	
Date	Title
9/30/2016	2016 Caswell rotary screw trap annual report
9/30/2017	2017 Caswell rotary screw trap annual report

Program Priority:	
Rank	Comment
1	High priority element because the project is a required OCAP biological opinion monitoring activity and it occurs in a CVP watershed.

Estimated Cost(s):		
Fiscal Year	Fund	Total
2015	CVPRF	\$294,031
2016	CVPRF	\$215,000

Final Total
\$509,031

No Partners Listed

Related Programs:

Program Name

CVPIA b1

CVPIA b2

Narrative:

Narrative Description

Monitoring of juvenile salmon production on the Stanislaus River provides fundamental data that are necessary to assess the biological response to habitat restoration activities in a CVP watershed. The project is also CAMP-recommended monitoring activity in the CAMP Implementation Plan (element #78), and it is a required element in the OCAP biological opinion. The project is also important because it provides the longest time series of rotary screw trap data in the San Joaquin River Basin.

Risk Management:

Risk Description	Likelihood	Risk Impact
low, unless funding distribution is delayed	1	1

Data Management:

Description

The Stanislaus River rotary screw trap data will be stored in the CAMP rotary screw trap platform. Data summaries from that platform can be provided to CVPIA managers, stakeholders and the public.

Year	Activity	Activity Description
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2015 Monitoring

Resource	Agency	Resource Type	FTE	Total	Fund	Description
juvenile fish data	FWS	Contracts and Agreements Contract	1		CVPRF	The Charter provides: (1) \$146,031 to conduct monitoring in 2016, and (2) \$148,000 to conduct monitoring in 2017. The funding to conduct work in 2017 only provides part of the funding needed to conduct work in that year.

Year	Activity	Activity Description
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2016 Monitoring

Resource	Agency	Resource Type	FTE	Total	Fund	Description
juvenile fish data	FWS	Contracts and Agreements Contract	1		CVPRF	Funding to conduct work in 2018.

Annual Charter Report

General:

Title	Description
Sacramento River rotary screw trap monitoring	Quantify production of juvenile Chinook salmon from the Sacramento River using a rotary screw trap.

Authority:

Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):

Latitude	Longitude
40.153130	122.201307

Watershed(s):

Watershed Name
Sacramento River Upper Mainstem

Schedule:

Funding Begins	Benefits Begin	Funding Complete
10/1/2014	10/1/2014	9/30/2015

Benefit(s):

Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):

Date	Title
7/31/2016	2015 RST annual report

Program Priority:

Rank	Comment
1	High priority element because it occurs in a CVP watershed. The project is also a required element in the OCAP biological opinion.

Estimated Cost(s):

Fiscal Year	Fund	Total
2015	CVPRF	\$722,469

Final Total
\$722,469

No Partners Listed

No Related Programs Listed

Narrative:

Narrative Description

Monitoring of juvenile salmon production on the Sacramento River provides fundamental data that are necessary to assess the biological response to habitat restoration activities. The project occurs in a CVP watershed. The project is a required element in the OCAP biological opinion.

Risk Management:

Risk Description	Likelihood	Risk Impact
low, unless funding distribution is delayed	1	1

Data Management:

Description

The Sacramento River rotary screw trap data will be stored in the CAMP rotary screw trap platform. Data summaries from that platform can be provided to CVPIA managers, stakeholders and the public. The RST data will also be stored in a database maintained by USFWS staff in the Red Bluff Fish and Wildlife office.

Year	Activity	Activity Description
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2015 Monitoring

Resource	Agency	Resource Type	FTE	Total	Fund	Description
monitor juvenile salmon	BOR	Contracts and Agreements Cooperative Agreement	1		CVPRF	2015 full project cost reflects 2014 cost + 3% inflation = \$923,868. Insufficient CAMP budget to fully fund project. Has \$201,399 shortfall.

Annual Charter Report

General:

Title	Description
Quantify adult winter-run Chinook salmon escapement on the Sacramento River	Quantify production (escapement) of adult winter-run Chinook salmon on the Sacramento River mainstem.

Authority:

Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):

Latitude	Longitude
40.496469	122.354472

Watershed(s):

Watershed Name
Sacramento River Basin

Schedule:

Funding Begins	Benefits Begin	Funding Complete
10/1/2014	10/1/2014	9/30/2015

Benefit(s):

Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):

Date	Title
5/31/2016	escapement annual report

Program Priority:

Rank	Comment
1	This activity is identified as a recommended monitoring element in the CAMP Implementation Plan (i.e., CAMP monitoring element # 41), and addresses an OCAP biological opinion monitoring requirement.

Estimated Cost(s):

Fiscal Year	Fund	Total
2015	CVPRF	\$199,556

Final Total
\$199,556

Partners:

Partner Name
CDFW

Related Programs:

Program Name
CVPIA b1

Narrative:

Narrative Description

Collection of adult winter-run Chinook salmon escapement monitoring data from the Sacramento River is needed to assess progress toward the AFRP doubling goal. The project also is a required monitoring activity in the OCAP biological opinion.

No Risks Listed

Data Management:

Description

The escapement data are stored in a digital Excel spreadsheet and the final results are ultimately stored in the Chinookprod database.

Year	Activity	Activity Description				
2015	Monitoring					
Resource	Agency	Resource Type	FTE	Total	Fund	Description
monitor adult salmon escapement	BOR	Contracts and Agreements Cooperative Agreement	1		CVPRF	cost estimate based on prior year costs

Annual Charter Report

General:	
Title	Description
American River Adult Salmon Escapement Survey	Conduct adult salmon escapement survey on the American River

Authority:		
Provision	Percentage	Comments
16	100	Comprehensive Assessment and Monitoring Program

Location ID(s):	
Latitude	Longitude
38.566667	121.385429

Watershed(s):
Watershed Name
American River

Schedule:		
Funding Begins	Benefits Begin	Funding Complete
10/1/2015		9/30/2016

Benefit(s):			
Metric	Value	Units	Comment
b16: Annual Report	0	number of fish	

Deliverable(s):	
Date	Title
7/31/2017	2016 American River adult salmon escapement survey report

Program Priority:	
Rank	Comment
1	Program Priority Comments:

Estimated Cost(s):		
Fiscal Year	Fund	Total
2016	CVPRF	\$118,712

Final Total
\$118,712

No Partners Listed

Related Programs:
Program Name
CVPIA b1
CVPIA b2

Narrative:

Narrative Description

The project will collect the data necessary to estimate the escapement of adult Chinook salmon in the American River. The American River watershed is one of the largest producers of adult salmon in the Central Valley. It is therefore essential to collect that data so the CAMP can assess progress toward the American River, fall-run Chinook salmon, and Central Valley Chinook salmon AFRP production targets.

Risk Management:

Risk Description	Likelihood	Risk Impact
4	2	2

Data Management:

Description

The data from the American River Chinook salmon escapement survey will be stored in the Chinookprod database used by the CAMP and AFRP as progress toward the AFRP fish production targets is assessed.

Year	Activity	Activity Description
2016	Monitoring	

Resource	Agency	Resource Type	FTE	Total	Fund	Description
adult salmon monitoring	FWS	Contracts and Agreements Cooperative Agreement	1		CVPRF	Funds will be used to conduct the adult salmon escapement survey on the American River in 2016.